

AMENDMENTS TO THE SPECIFICATION

Please replace the entire abstract with the following replacement paragraph:

A system of two-way content communication between wireless mobile communication devices, such as pagers and Personal Information Managers, and a remote computer network such as the Internet. The system includes a wireless two-way messaging network employing a network and layer framework that includes a system layer, an operating system layer, a user interface, and a Message Transport Protocol (MTP) stack. The system includes transforming data to an intermediary markup language, validate for MTP coding and transmission completeness, analyze data type, and transform to a target markup language. The system further includes displaying validated, analyzed and transformed data at the mobile communication device in a suitable form, such as a browser with a graphical user interface. Data encryption and decryption is available for all data transmission, and the system and method include means for placing all transmitted data into packets suitable for Short Messaging Service protocol and similar protocols.

Please replace the paragraph on page 8, beginning with "Fig. 7" with the following amended paragraph:

[[FIG. 7]] FIGS. 7A-7C represent[[s]] a flow chart illustrating the process and method of managing and responding to a data request originating with the two-way messaging device by the intermediary computer system according to one embodiment of the present invention.

Please replace the paragraph on page 16, beginning with "Fig. 6" with the following amended paragraph:

FIG. 6 illustrates the process and method of transmitting a data request from the simple two-way messaging device 10 to the intermediary computer system 200 according to one embodiment of the present invention. The two-way messaging device 10 serves in this process as a client, the intermediary computer system 200 as a server 310

5 communicating with other servers 310 for retrieval of data files 320 and re-transmission to device 10. The process of data retrieval by use of one embodiment of the present invention is broken down into three parts: The first part, the data request originating from device 10, is described as follows in FIG. 6; the process and method of data retrieval, transformation and transmission by intermediary computer system 200 is illustrated in

10 [[FIG. 7]] FIGS. 7A-7C; and the third part of the final data managing and display at the two-way messaging device 10 is explained in FIG. 8.

Please replace the paragraph on page 20, beginning with "Fig. 7" with the following amended paragraph:

[[FIG. 7]] FIGS. 7A-7C illustrate[[s]] the process and method of managing and

15 responding to data requests as described in FIG. 6 by the intermediary computer system 200 according to one embodiment of the present invention. Intermediary computer system 200 is of the type of computer system 400 as described in FIG. 2 and may be part of remote network(s) 300. It is publicly accessible and capable of interactive communication with other servers 310 through the network protocol TCP/IP.

20 Intermediary computer system 200 represents the server in the network architecture of the preferred embodiment present invention, and may likewise be described as a proxy server, i.e., a server that acts on behalf of the client and communicates with other servers 310. Such other servers 310 may be FTP file servers, SMTP email server, HTTP Web

servers or SQL ("Structure Query Language") database servers. The intermediary computer system 200 is built on top of a SMTP compliant server, since the simple two-way messaging device 10 transmits MTP encoded messages using an SMTP or SMS layer as transport layer. Also, system 200 requires to be implemented into a fully

5 qualified Domain Name Server ("DNS") server capable of resolving mail traffic. The several components and applications of proxy server 200 have been listed in FIG. 1. It is understood that all modules, applications and databases may be integrated into one computer system 400 or into several separate computer systems which may be servers 310 as part of a remote network 300. By keeping the components of the intermediary

10 computer system modular, the data transmission process, as explained in the following, remains highly independent and flexible.

Please replace the paragraph on page 33, beginning with "While the present invention" with the following amended paragraph:

While the present invention has been described in reference to a preferred embodiment, those of ordinary skill in the art will recognize that various modifications and variations may be made without departure from the scope of the invention. For example, the present invention likewise enables transmission of retrieved and transformed data to other two-way messaging devices 10 using SMTP and MTP as transport layers. Also, the initial trigger event may be sent from remote network(s) 300 to

15 the two-way messaging device, rather than a data request originating with the two-way messaging device. The process and method of data transformation and transmission would then be effected as described in [[FIG. 7]] FIGS. 7A-7C with the modification that steps 570 through 595 are obsolete. Additionally, even though the preferred embodiment

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particularly envisions two-way pagers as device(s) 10, device 10 may be substituted by any other mobile device and take advantage of the ease of data transmission using SMTP as a transport layer, while allowing transmission validation and circuit-like connections effected by the MTP stack 27. Last, notwithstanding the fact that the description of the 5 present invention particularly relates to data transformation from XML to WML, the scope of the patent encompasses the transformation of any other mark-up language to such a mark-up language that can be interpreted and displayed by an interactive mobile device.